

Claims:

What is claimed is:

1. A pail assembly for packaging a first product and a second product comprising:  
  
a pail with an opening for containing the first product;  
  
a container for containing the second product;  
  
a lid assembly having a receptacle to contain and support said container separate from the first product; said lid assembly having a closure member to enclose the first product within the pail; and  
  
a lid for closing said container within the receptacle in the lid assembly.
2. The pail assembly of claim 1 where the pail assembly is made of injection molded plastic material.
3. The pail assembly of claim 1 wherein said lid assembly comprises:
  - a) a first substantially planar portion defining an axis along its center;
  - b) an outer flange portion molded on said substantially planar portion and extending from said substantially planar portion at an angle in a first direction, said outer flange portion having means to attach to said pail;
  - c) a receptacle molded into the first substantially planar portion and extending along said axis in substantially the first direction and defining an opening therein
  - d) a protruding portion extending from the first substantially planar portion in a direction substantially opposite the first direction and completely surrounding said opening in said receptacle
4. The pail assembly of claim 1 wherein said container for containing the second product comprises one of:
  - a) a second pail with a lid;
  - b) a sealed bag
  - c) a bottle with a closure.
5. The pail assembly of claim 1 wherein the pail and lid assembly are made of metal.

6. The pail assembly of claim 1 wherein the pail and lid assembly are made of injection molded plastic.
7. The pail assembly of claim 1 wherein said receptacle is tapered.
8. The pail assembly of claim 3 wherein said outer flange is flared outwardly.
9. A pail assembly for packaging a first material and a second material comprising:
  - a) A pail for containing the first material;
  - b) A container for containing the second material;
  - c) means for closing the pail, said means for closing the pail including a receptacle to hold said container outside of said pail; and
  - d) means for enclosing said container in said receptacle.
10. The pail assembly of claim 9 wherein said means for closing the pail comprises a lid assembly including a receptacle to hold said container and means for engaging said means for enclosing.
11. The pail assembly of claim 10 wherein the means for engaging comprises an annular projection with a bead at the upper end thereof; and wherein said means for enclosing is a lid with a plurality of detents to engage said bead.
12. The pail assembly of claim 9 wherein the pail is made of metal.
13. The pail assembly of claim 9 wherein the pail is made of plastic.
14. The pail assembly of claim 9 wherein the means for closing the pail is made of metal.
15. The pail assembly of claim 9 wherein the means for closing the pail is made of plastic.
16. A lid assembly for a pail comprising:

an integrally formed member having:

  - a) a first substantially planar portion defining an axis along its center;
  - b) an outer flange portion molded on said substantially planar portion and extending from said substantially planar portion at an angle in a first direction, said outer flange portion having means to attach to said pail;

- c) a receptacle molded into the first substantially planar portion and extending along said axis in substantially the first direction and defining an opening therein
- d) a protruding portion extending from the first substantially planar portion in a direction substantially opposite the first direction and completely surrounding said opening in said receptacle; and

an external lid having means to attach said lid to said protruding portion.

- 17. The lid assembly of claim 16 wherein the lid assembly is made of metal.
- 18. The lid assembly of claim 16 wherein the lid assembly is made of plastic.
- 19. The lid assembly of claim 16 wherein said receptacle is in the shape of a tapered cylinder.
- 20. The lid assembly of claim 16 wherein said outer flange portion is flared outwardly.
- 21. The lid assembly of claim 16 wherein said protruding portion is an annular projection having a bead at the upper end thereof, and said external lid includes a plurality of detents to engage said bead.
- 22. A method of packaging two materials comprising the steps of:
  - a) filling a pail with a first material;
  - b) filling a container with a second material;
  - c) sealing the container;
  - d) sealing the pail with a lid assembly having a receptacle to receive said container on the outer surface of the receptacle;
  - e) disposing the sealed container on said receptacle; and
  - f) sealing the receptacle containing the container.